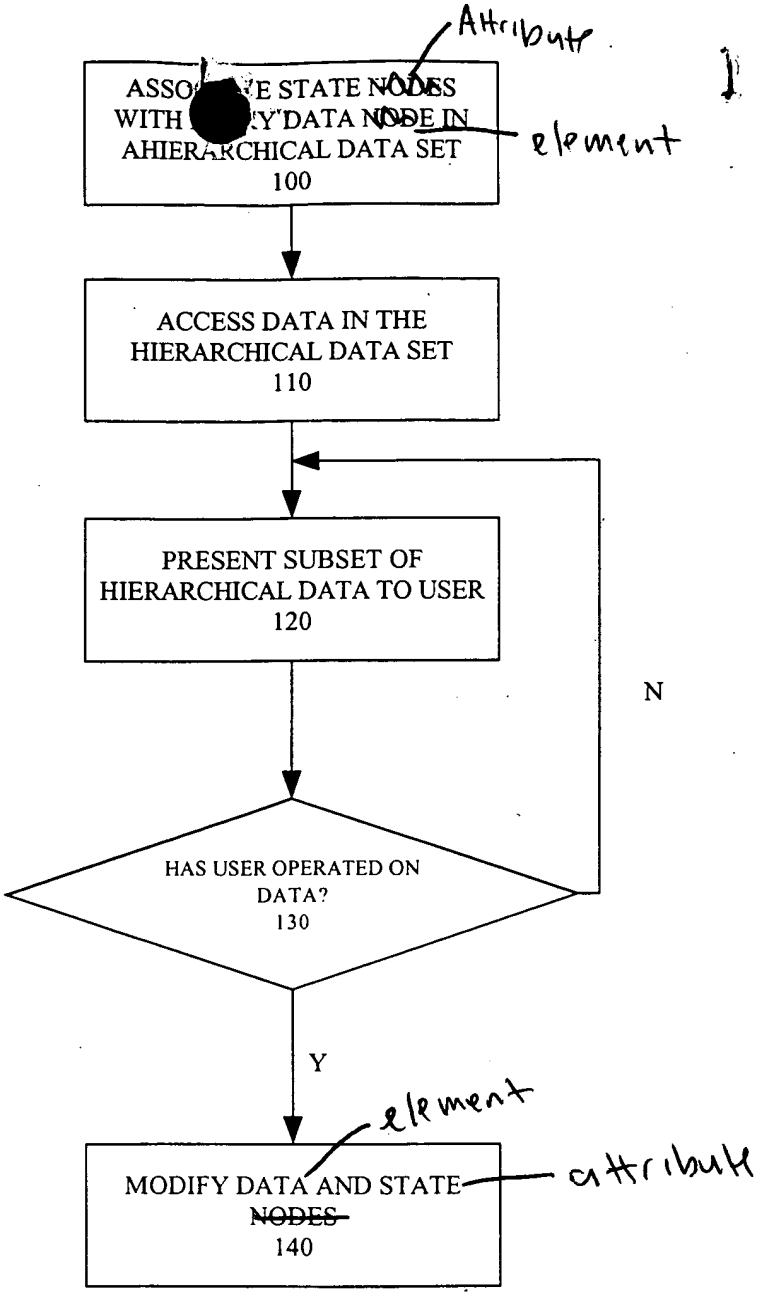

ASSOCIATE STATE NODES WITH EACH DATA NODE IN AHIERARCHICAL DATA SET
100
ACCESS DATA IN THE HIERARCHICAL DATA SET
110
PRESENT SUBSET OF HIERARCHICAL DATA TO USER
120
HAS USER OPERATED ON DATA?
130
N
Y
MODIFY DATA AND STATE NODES
140

FIGURE 1

FIGURE: 2

09332T "924242"60

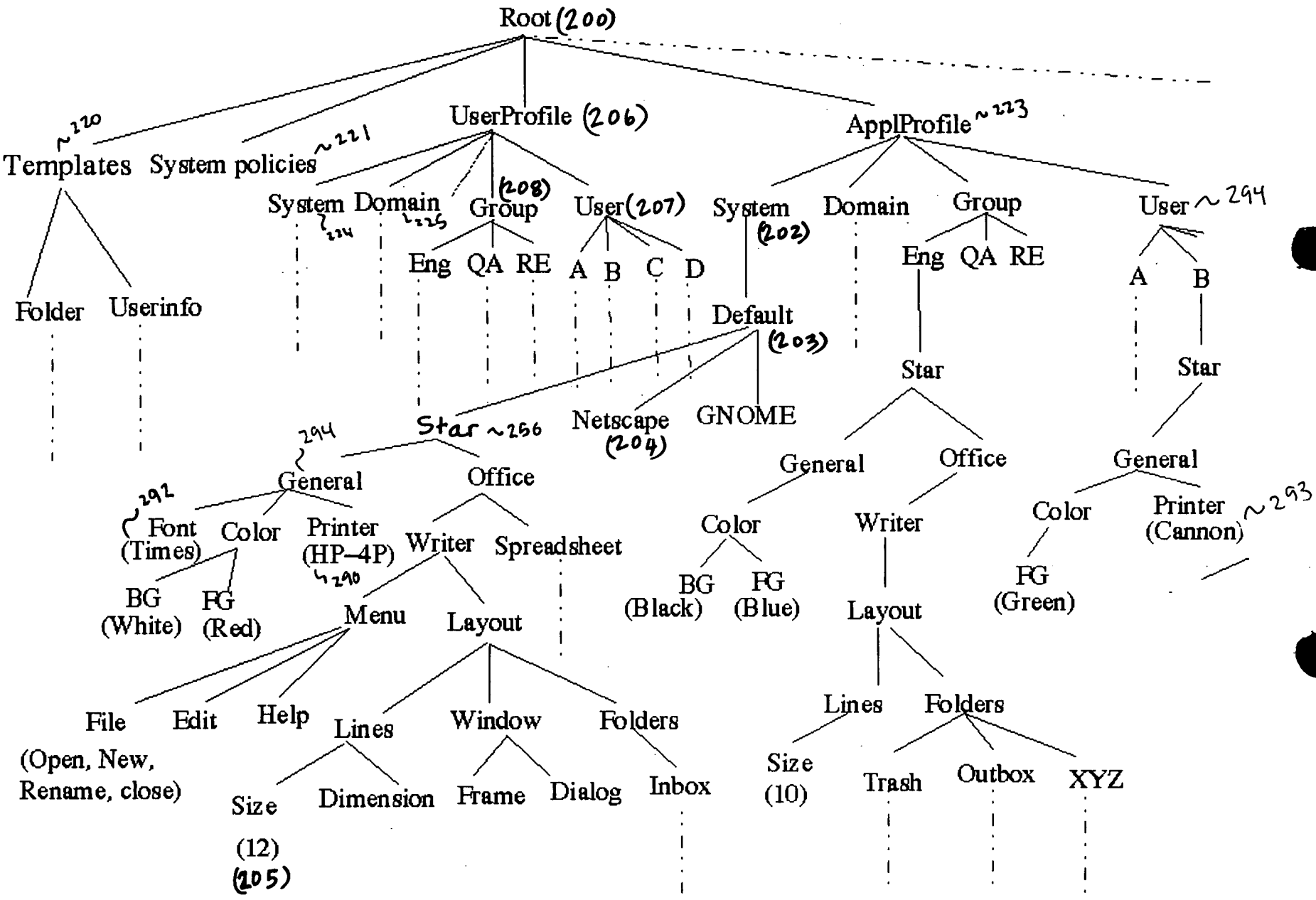


FIGURE : 3

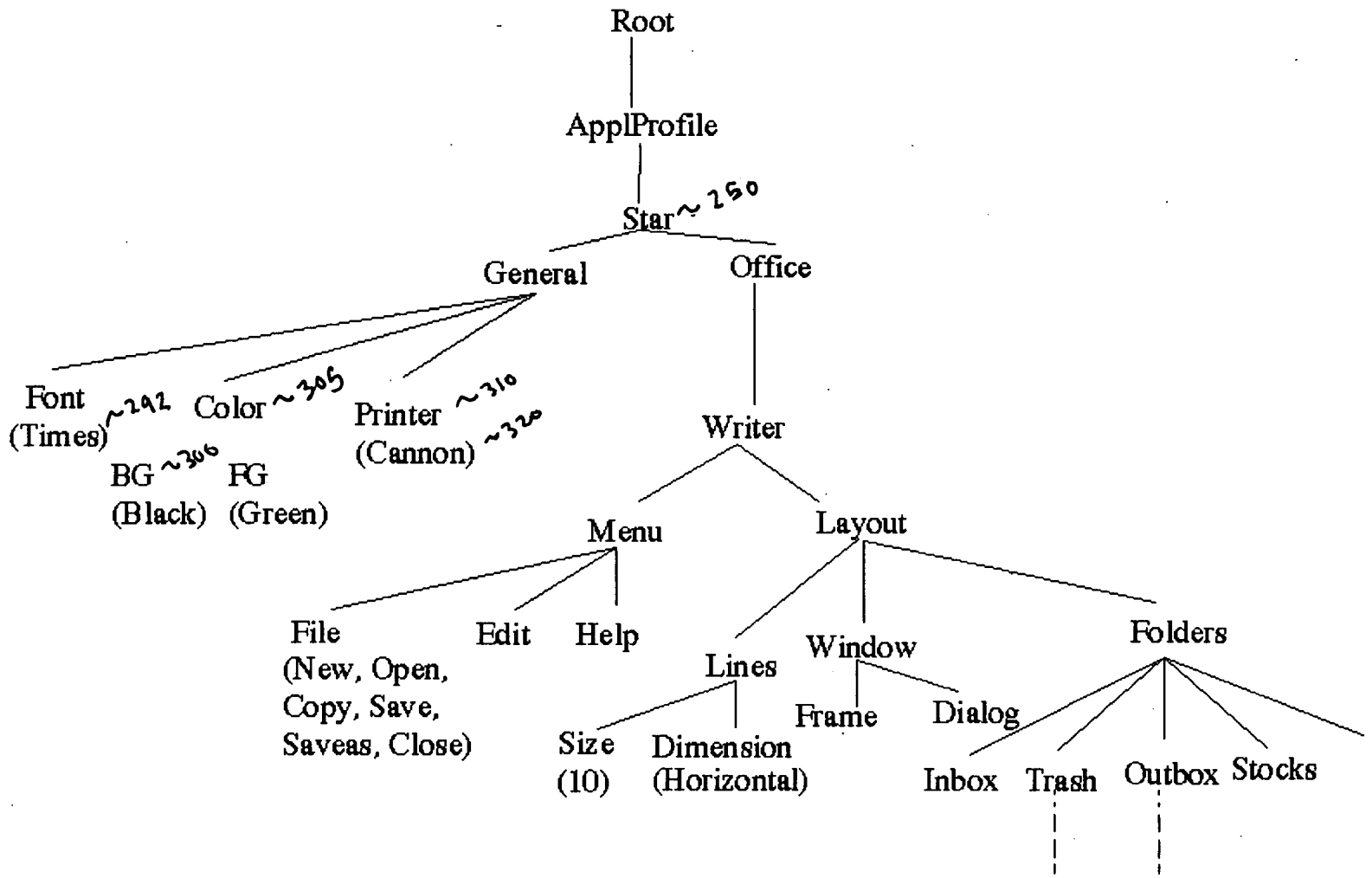

Root
ApplProfile
Star ~250
General
Office
Font (Times) ~292
Color ~305
Printer ~310
BG ~306 (Black)
FG (Green)
(Cannon) ~320
Writer
Menu
Layout
File (New, Open, Copy, Save, Saveas, Close)
Edit
Help
Lines
Window
Folders
Size (10)
Dimension (Horizontal)
Frame
Dialog
Inbox
Trash
Outbox
Stocks

FIGURE: 4

08327 924,260

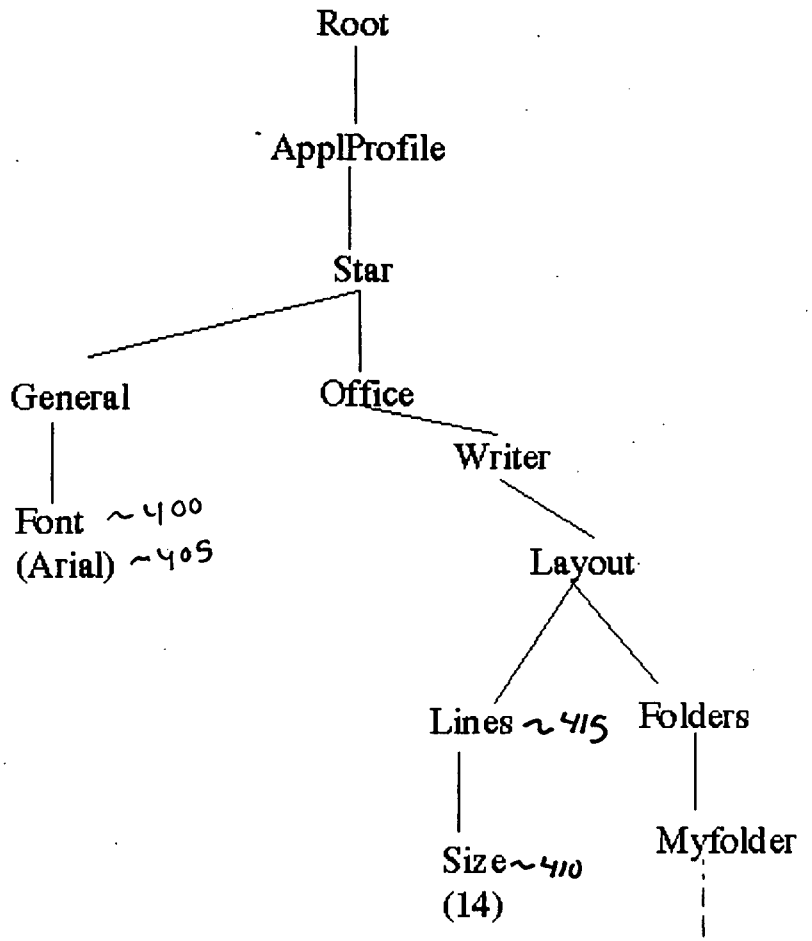
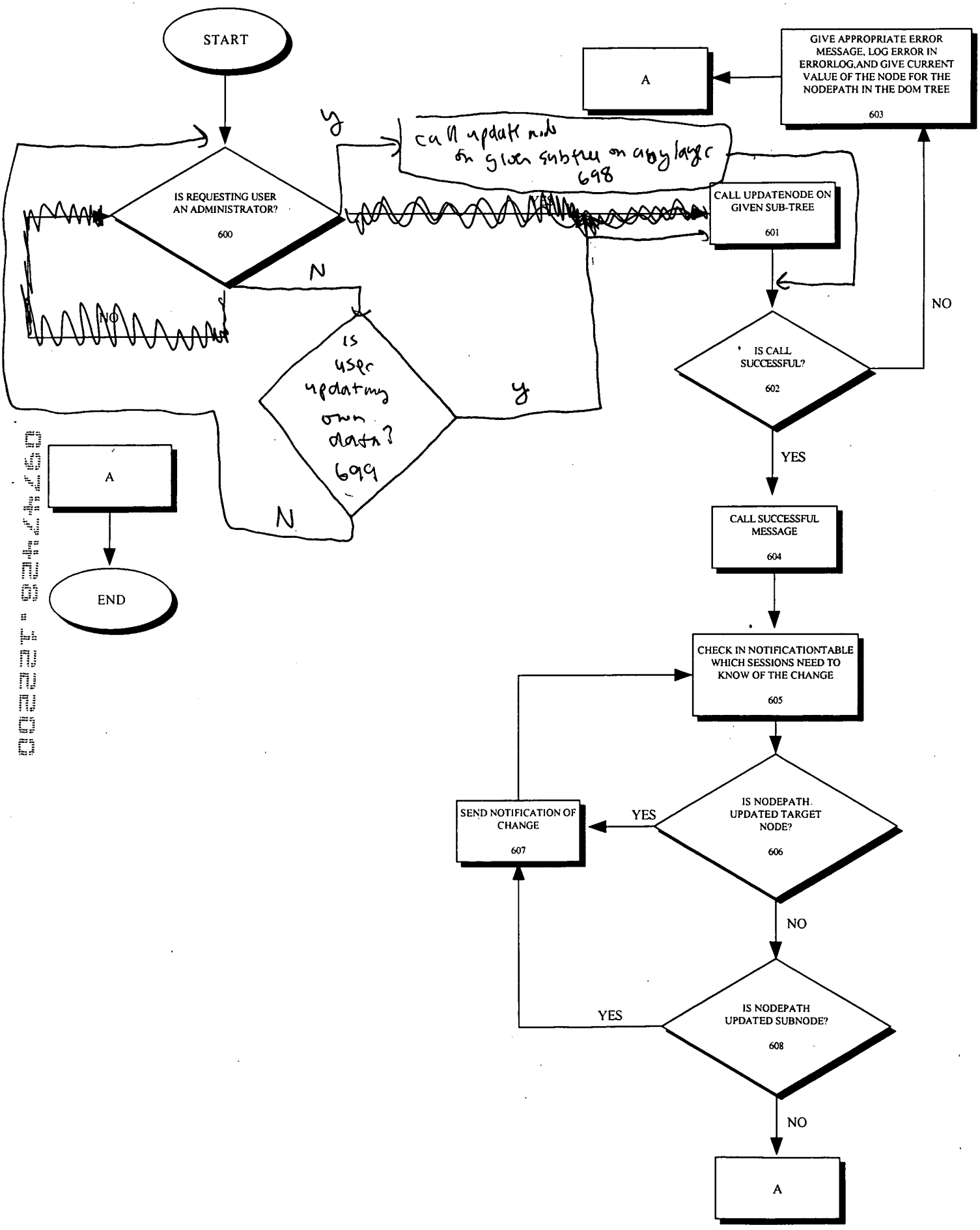


FIGURE 5

	Override value (default/overridden)	delete node	SetToDefault	Add/Replace node
state = "default"	state = "modified"	state = "deleted"	state = "default"	state = "replaced"
state = "modified"	state = "modified"	state = "deleted"	node is deleted	state = "replaced"
state = "deleted"	N/A	N/A	node is deleted	state = "replaced"
state = "replaced"	state = "replaced"	node is deleted	node is deleted	state = "replaced"
no node exists	N/A	N/A	N/A	state = "replaced"

09745080 - 120203

FIGURE 6


START
IS REQUESTING USER AN ADMINISTRATOR?
600
NO
N
Y
IS USER UPDATING OWN DATA?
699
N
Y
A
END
call update node on given subtree on any layer
698
CALL UPDATENODE ON GIVEN SUB-TREE
601
IS CALL SUCCESSFUL?
602
NO
A
GIVE APPROPRIATE ERROR MESSAGE, LOG ERROR IN ERRORLOG,AND GIVE CURRENT VALUE OF THE NODE FOR THE NODEPATH IN THE DOM TREE
603
YES
CALL SUCCESSFUL MESSAGE
604
CHECK IN NOTIFICATIONTABLE WHICH SESSIONS NEED TO KNOW OF THE CHANGE
605
IS NODEPATH. UPDATED TARGET NODE?
606
YES
SEND NOTIFICATION OF CHANGE
607
NO
IS NODEPATH UPDATED SUBNODE?
608
YES
NO
A

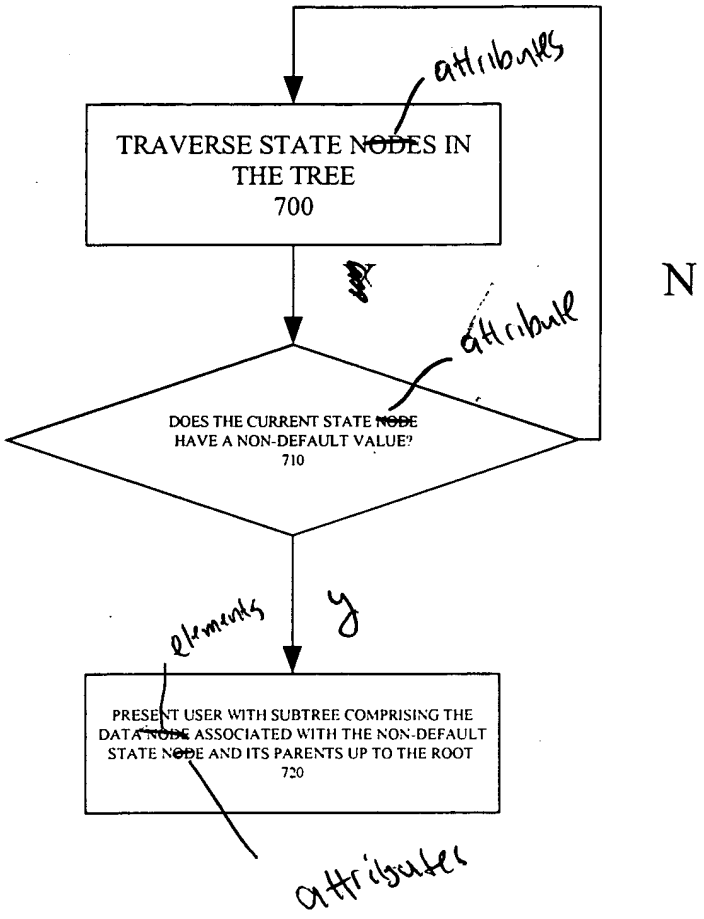

attributes
TRAVERSE STATE NODES IN THE TREE
700
N
attribute
DOES THE CURRENT STATE NODE HAVE A NON-DEFAULT VALUE?
710
elements
y
PRESENT USER WITH SUBTREE COMPRISING THE DATA NODE ASSOCIATED WITH THE NON-DEFAULT STATE NODE AND ITS PARENTS UP TO THE ROOT
720
attributes

FIGURE 7

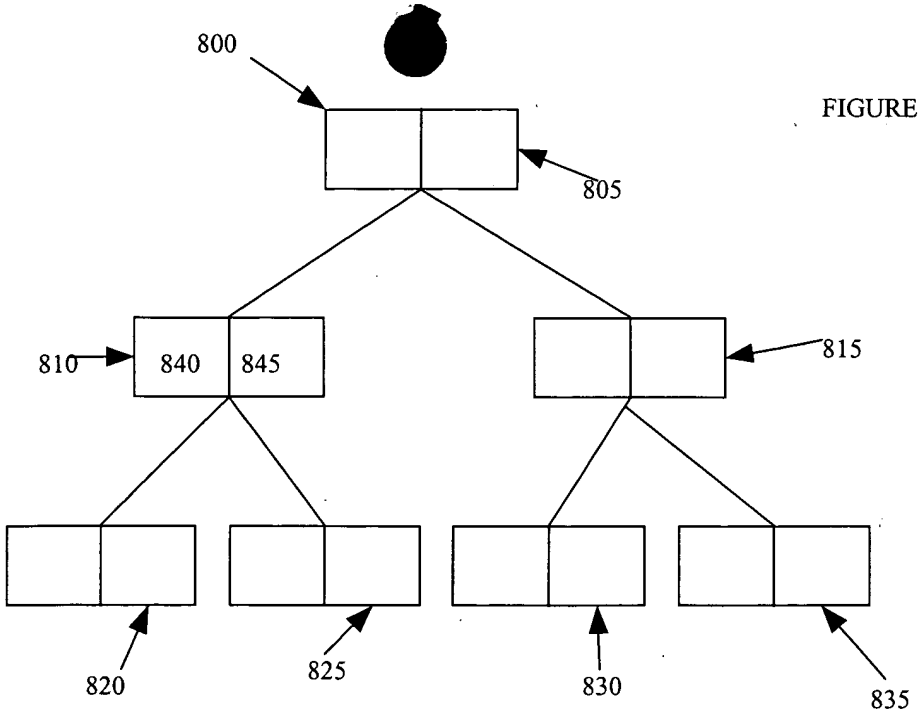


FIGURE 8

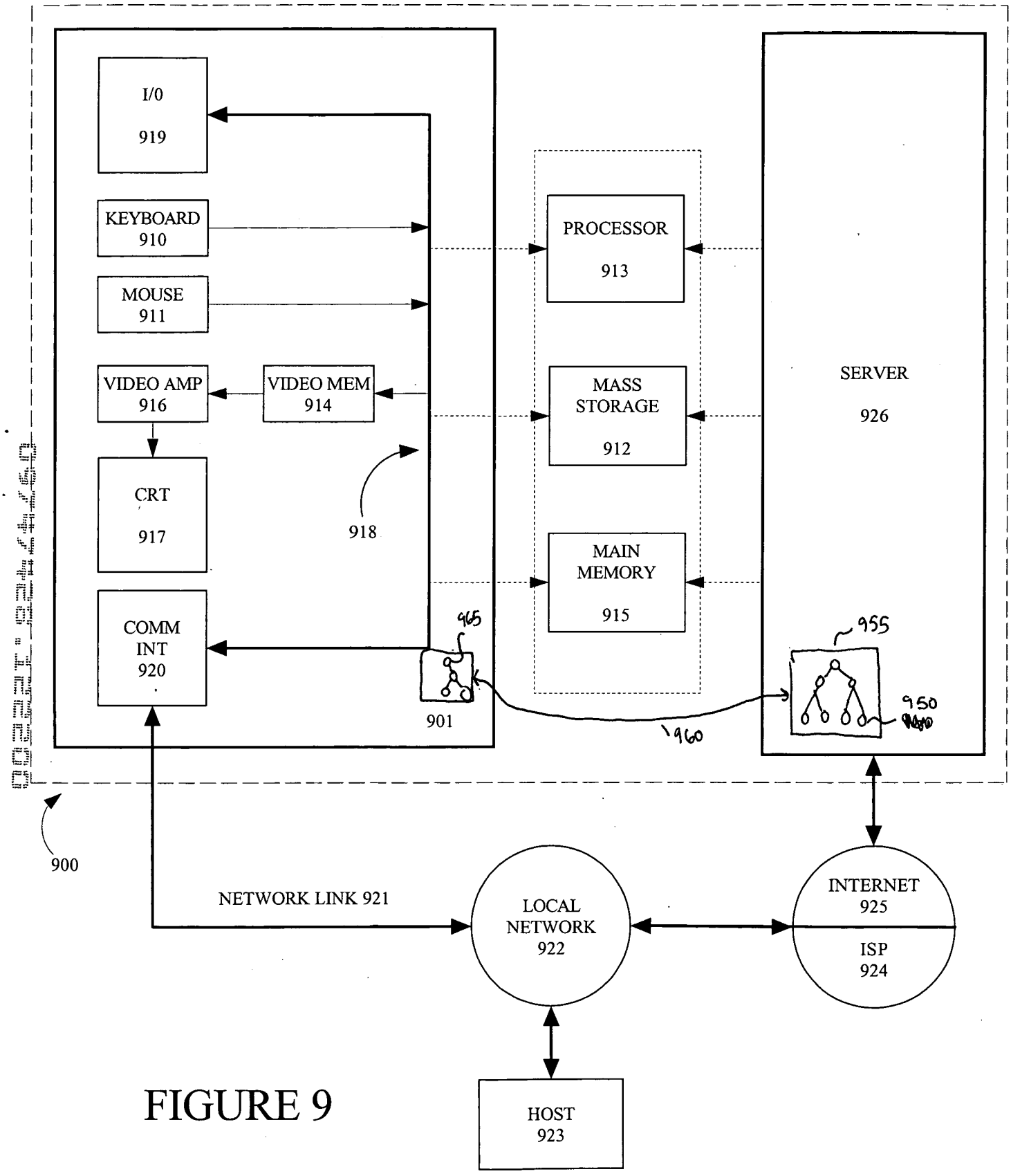

I/0
919
KEYBOARD
910
MOUSE
911
VIDEO AMP
916
VIDEO MEM
914
CRT
917
COMM
INT
920
PROCESSOR
913
MASS
STORAGE
912
MAIN
MEMORY
915
SERVER
926
918
965
901
955
950
960
900
NETWORK LINK 921
LOCAL
NETWORK
922
INTERNET
925
ISP
924
HOST
923

FIGURE 9